

## CLAIMS

1. A transmitter for sending a data transmission signal to many kinds of electric nets, whereby the apparatus comprises signal-shaping and adjustment devices (3) and connecting devices (50) including necessary accessories for connection to the electric net, as a signal amplifier (20) and a connecting cable and/or connecting device between the transmitter and the connecting point of the electric net, as for instance 230 V, 50 Hz phase rail (L) and zero rail (N) of the electric net or wall outlet as connecting points, **characterized** in that the apparatus is divided into two or several parts, at least a first part (3) and a second part (TX/REMU), whereby second part (TX/REMU) includes at least a connecting unit (50) for connection to the electric net and a connecting cable and/or connecting device for connecting said second part to the electric net, whereby the length ( $L_w$ ) of connecting cable is under 5 m.
2. A transmitter according to claim 1 **characterized** in that length of connecting cable is under 1 m. or, when remote unit (TX/REMU) is plugged in the wall outlet or connectable with a plug or fitted in phase and zero rails there is no connecting cable, in other words the length ( $L_w$ ) is 0.
3. A transmitter according to claim 1 **characterized** in that first part (3) and second part (TX/REMU) are placed in the same equipment unit.
4. A transmitter according to claim 1 **characterized** in that second part (TX/REMU) is shaped into a remote unit with respect to first part (3) and their mutual distance ( $L_S$ ) is over 1 m.
5. A transmitter according to claim 1 **characterized** in that the signal input and connecting cable can be connected to 1-phase rails (L), (N) in a direct-current network or an alternating-current network or to a wall outlet or another corresponding connection point.
6. A transmitter according to claim 1 **characterized** in that the signal input and connecting cable can be connected to 3-phase rails ( $L_1, L_2, L_3$ ), (N) or to a 3-phase outlet or another corresponding connection point.
7. A transmitter according to claim 1 **characterized** in that the connection between first part (3) and second part (TX/REMU) is wired, wireless or an optical fibre cable connection.